



Network Cable Installation

Career Technical Training Area

Information Technology Career Pathway

Network Cable Installation

The Job Corps Network Cable Installation career training program takes 8 to 12 months to complete and requires training in the following subject areas:

• Data Cabling

- Basic electricity
- Data communications basics
- Definitions, symbols, and abbreviations
- Cable instruction
- Cable performance characteristics
- Cabling standards
- Basic network topologies
- Basic network architectures
- National electric code
- Cabling system components
- Installation tools
- Cabling system design
- Cabling installation
- Connector installation
- Cabling troubleshooting
- Documentation

• Fiber Optics

- History of fiber optics cabling
- Principles of fiber optic transmission
- Basic principles of light
- Optical fiber construction and theory
- Fiber optics cabling safety
- Fiber optic cables

- Splicing
- Connectors
- Fiber optic light sources
- Fiber optic detectors and receivers
- Cable installation and hardware
- Fiber optics system design considerations
- Test equipment and link/cable testing

Certification:

Students who complete a Job Corps training program are eligible to receive a nationally recognized certificate of completion.

Steps to certification:

Before completing a Network Cable Installation training program, students should:

- Have the basic math and reading skills necessary to perform the job.
- Complete the core curriculum and pass all written and performance tests.

Average length of training:

8 to 12 months

The salary range for various careers in Network Cable Installation is:

\$30,000 to \$40,000/year

THE BENEFITS OF JOB CORPS

Industry-recognized certification • Hands-on training and internships • Housing, meals, and basic medical care • Earn while you learn: Biweekly living allowance • Administered by the U.S. Dept. of Labor

What is Job Corps?

- A residential career training program
- Your path to a career in a high-growth industry
- A place to earn your high school diploma or GED
- Career counseling and support after graduation



Career Technical Training programs vary at different Job Corps centers.

Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for students ages 16 through 24. Job Corps is a U.S. Department of Labor Equal Opportunity Employer Program. Auxiliary aids and services are available upon request to individuals with disabilities. TDD/TTY telephone number is (877) 889-5627.

www.recruiting.jobcorps.gov • <http://mifuturo.jobcorps.gov> (español)